

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
June 1, 2004  
For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Roddy Production, Company Telephone: 505 325-5750 e-mail address: \_\_\_\_\_  
Address: P.O. Box 2221, Farmington, NM 87499 Facility or well name: OWEN 2D API #: 30-045-32004 U/L or Qtr/Qtr B Sec 19 T 31N R 12W  
County: San Juan Latitude N36.88'894" Longitude W108.13'532" NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>N/A</u> bbl	<b>Below-grade tank</b> Volume: <u>N/A</u> bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>N/A</u>
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points) (0)
Venthead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points) (0)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points) (0)
	<b>Ranking Score (Total Points)</b> (0)

**If this is a pit closure:** (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility N/A (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: Enclosed are following documents: closure 2 pits

Owen 2D sample location map for the Reserve Pit And Blow Pit.

Owen 2D Lab analysis from the Reserve Pit and Blow Pit.

Owen 2D location is outside the define area of rule 50.

Note: Blow Pit unlined, lined Drilling Pit ops

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: Oct 5, 2004

Printed Name/Title Robert R. Griffie

Signature [Signature]

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

DEPUTY OIL & GAS INSPECTOR, DIST. 2

Printed Name/Title

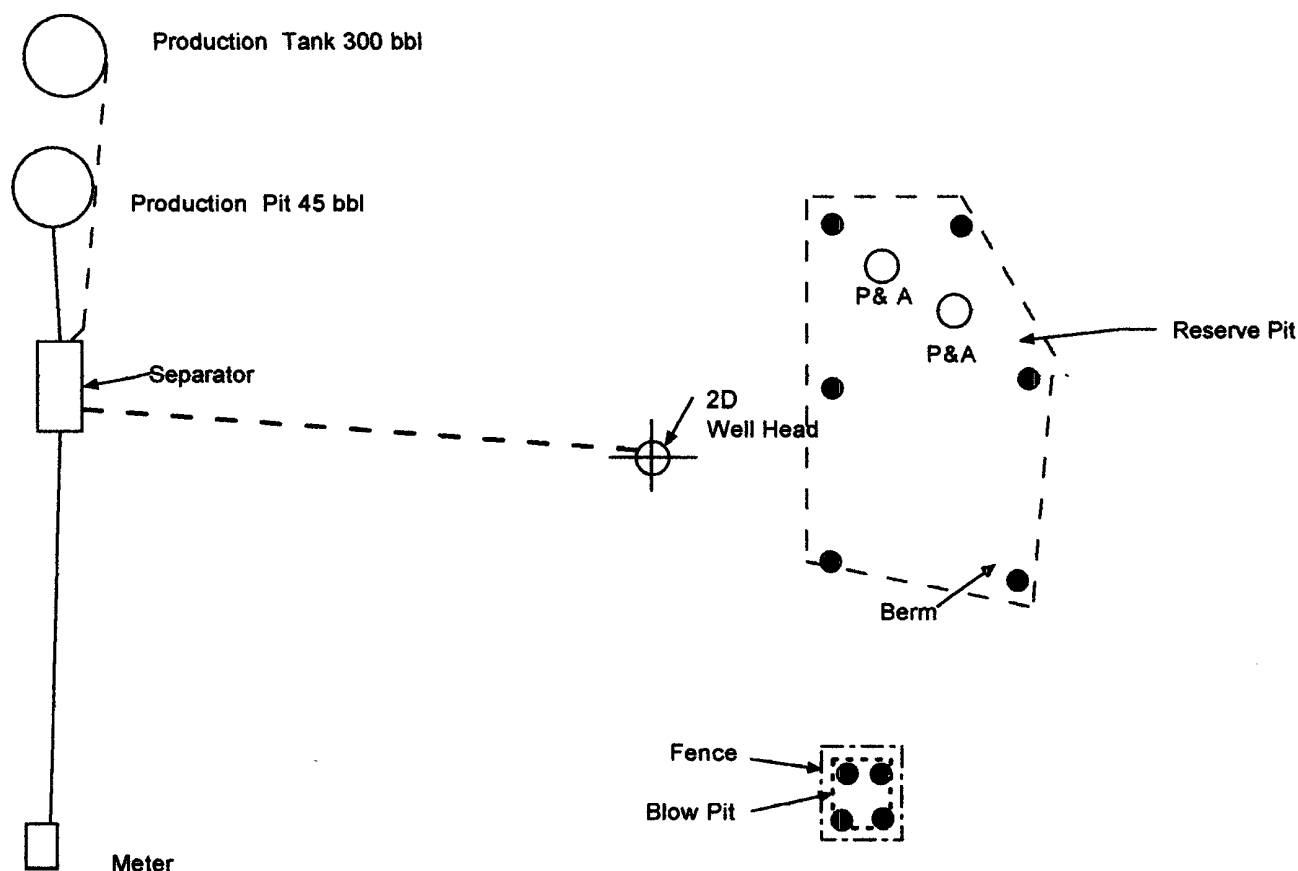
Signature [Signature]

Date: OCT - 5 2004



LEGEND

Sample Locations ●



DJ SIMMONS, INC.

**DJ SIMMONS, INC.**

1009 Ridgeway Place, Ste.200  
Farmington, NM 87401  
PH. 505 326 3753  
FAX. 505 327 4659

Reviewed: KM  
Approved: RRG  
Drawn: CDS  
Date: 08/14/04

**Pit Closure Sample  
Location Map  
OWEN 2D  
Sec 19, T31N, R12W  
1180' FNL x 2062 FEL  
SAN JUAN, NM**

612 E. Murray Drive  
Farmington, NM 87499

Off: (505) 327-1072  
FAX: (505) 327-1496

*iiná bá*

P.O. Box 3788  
Shiprock, NM 87420

Off: (505) 368-4065

**iiná bá**

**Date:** 04-Oct-04

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**CLIENT:** D.J. Simmons Company  
**Project:** Roddy Prod. Owen 2D  
**Lab Order:** 0406063

**CASE NARRATIVE**

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

Conductivity: 14.6 mmhos/cm (see Note 1)

SAR: 16.7 Calculated

ESP: 18.9 Calculated

Note 1: Midwest Laboratories, Inc. reported conductivity units as mS/cm. By definition  $S = \text{mho}$ . Therefore,  $\text{mS/cm} = \text{mmhos/cm}$ . The Midwest Laboratories, Inc. results are shown here as mmhos/cm.

**Hall Environmental Analysis Laboratory**

Date: 24-Jul-04

CLIENT: iina ba, Ltd

Client Sample ID: 0406063-002A

Lab Order: 0407066

OWEN 2D

Tag Number:

Project: 0406063

Collection Date:

Lab ID: 0407066-01A

RODDY PRODUCTION

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 9056A: ANIONS						
Chloride	1200	30		mg/Kg	100	Analyst: MAP 7/20/2004 10:30:38 PM
EPA METHOD 7471: MERCURY						
Mercury	ND	0.033		mg/Kg	1	Analyst: IC 7/20/2004
EPA METHOD 6010C: SOIL METALS						
Arsenic	3.4	2.5		mg/Kg	1	Analyst: NMO 7/13/2004 2:12:02 PM
Barium	1700	10		mg/Kg	100	7/13/2004 3:28:27 PM
Cadmium	ND	0.098		mg/Kg	1	7/13/2004 2:12:02 PM
Chromium	6.9	0.30		mg/Kg	1	7/13/2004 2:12:02 PM
Cobalt	59	0.25		mg/Kg	1	7/13/2004 2:12:02 PM
Selenium	ND	2.5		mg/Kg	1	7/13/2004 2:12:02 PM
Silver	ND	0.25		mg/Kg	1	7/13/2004 2:12:02 PM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



Report Number  
04-191-2122

13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121

www.midwestlabs.com

### REPORT OF ANALYSIS

Mail to:

**IINA BA LTD  
JUDY MOORE  
PO BOX 2606  
FARMINGTON NM 87499-2606**

For: ( 6833) ON SITE TECHNOLOGIES LTD  
(505)325-5667

Date Reported: 07/09/04  
Date Received: 07/02/04  
Date Sampled: 06/28/04

PO/Proj. #: ???  
SOIL ANALYSIS

Lab number: 988691    Sample ID: 0406063-001A    **RODDY PRODUCTION OWEN 2D**

Analysis	Level		Detection Limit	Method	Analyst- Date
	Found	Units			
Sodium Adsorption Ratio	16.7			CALCULATED	jpt-07/02
Sodium (water soluble)	1,928	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Magnesium (water soluble)	64	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Calcium (water soluble)	907	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Conductivity	14.6	mS/cm	0.01	SATURATED PASTE EXTRACT	dmg-07/09

$$ESP = \frac{100(-0.0126 + 0.01475(SAR))}{1 + (-0.0126 + 0.01475(SAR))}$$

$$ESP = \frac{100(-0.0126 + 0.01475(16.7))}{1 + (-0.0126 + 0.01475(16.7))}$$

$$ESP = \frac{23.3725}{1.2337} = 18.9450$$

~~22.9550~~    ~~18.6066~~

Respectfully Submitted

Heather Ramig/Sue Ann Seitz/Rob Ferris  
Client Services

The above analytical results apply only to the sample(s) submitted.

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612 E. Murray Drive  
Farmington, NM 87499

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FAX: (505) 327-1496

*iiná bá*

P.O. Box 3788  
Shiprock, NM 87420

Off: (505) 368-4065

**iiná bá**

**Date:** 04-Oct-04

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**CLIENT:** D.J. Simmons Company

**Project:** Roddy Production

**Lab Order:** 0407001

**CASE NARRATIVE**

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

Conductivity: 12.9 mmhos/cm (see Note 1)

Sodium absorption ration: 10.8 Calculated

Exchangeable sodium percentage: 12.8 Calculated

Note 1: Midwest Laboratories, Inc. reported conductivity units as mS/cm. By definition S = mho. Therefore, mS/cm = mmhos/cm. The Midwest Laboratories, Inc. results are shown here as mmhos/cm.

## Hall Environmental Analysis Laboratory

Date: 23-Jul-04

CLIENT: iina ba, Ltd

Client Sample ID: 0407001-001A

Lab Order: 0407028

Collection Date: 6/30/2004 7:30:00 AM

Project: 0407001

**BLOWPIT #1**

Lab ID: 0407028-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 9056A: ANIONS</b>						
Chloride	3400	150		mg/Kg	500	Analyst: MAP 7/20/2004 9:08:38 PM
<b>EPA METHOD 8015B: DIESEL RANGE</b>						
Diesel Range Organics (DRO)	240	10		mg/Kg	1	Analyst: JMP 7/14/2004 5:13:34 AM
Motor Oil Range Organics (MRO)	180	50		mg/Kg	1	7/14/2004 5:13:34 AM
Sum: DNOP	106	60-124		%REC	1	7/14/2004 5:13:34 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	Analyst: NSB 7/12/2004 12:59:10 PM
Sum: BFB	100	74-118		%REC	1	7/12/2004 12:59:10 PM
<b>EPA METHOD 8021B: VOLATILES</b>						
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	Analyst: NSB 7/12/2004 12:59:10 PM
Benzene	ND	0.025		mg/Kg	1	7/12/2004 12:59:10 PM
Toluene	ND	0.025		mg/Kg	1	7/12/2004 12:59:10 PM
Ethylbenzene	ND	0.025		mg/Kg	1	7/12/2004 12:59:10 PM
Xylenes, Total	ND	0.025		mg/Kg	1	7/12/2004 12:59:10 PM
Sum: 4-Bromofluorobenzene	103	74-118		%REC	1	7/12/2004 12:59:10 PM
<b>EPA METHOD 7471: MERCURY</b>						
Mercury	ND	0.033		mg/Kg	1	Analyst: IC 7/13/2004
<b>EPA METHOD 6010C: SOIL METALS</b>						
Arsenic	ND	13		mg/Kg	5	Analyst: NMO 7/9/2004 2:43:15 PM
Barium	180	0.50		mg/Kg	5	7/9/2004 2:43:15 PM
Cadmium	ND	0.50		mg/Kg	5	7/9/2004 2:43:15 PM
Chromium	4.9	1.5		mg/Kg	5	7/9/2004 2:43:15 PM
Lead	15	1.3		mg/Kg	5	7/9/2004 2:43:15 PM
Selenium	ND	13		mg/Kg	5	7/9/2004 2:43:15 PM
Silver	ND	1.3		mg/Kg	5	7/9/2004 2:43:15 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



Report Number  
04-191-2123

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### REPORT OF ANALYSIS

For: ( 6833) ON SITE TECHNOLOGIES LTD  
(505)325-5667

Date Reported: 07/09/04  
Date Received: 07/02/04  
Date Sampled: 06/30/04

Mail to: IINA' BA' INC  
JUDY MOORE  
PO BOX 2606  
FARMINGTON NM 87499-2606

PO/Proj. #: ???  
SOIL ANALYSIS

Lab number: 988692      Sample ID: 0407001-002A      **BLOWPIT #2**

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date
Sodium Adsorption Ratio	10.8			CALCULATED	jpt-07/02
Sodium (water soluble)	1,454	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Magnesium (water soluble)	50	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Calcium (water soluble)	1,296	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Conductivity	12.9	mS/cm	0.01	SATURATED PASTE EXTRACT	dmg-07/09

Respectfully Submitted

Heather Ramig/Sue Ann Seitz/Rob Ferris  
Client Services

*The above analytical results apply only to the sample(s) submitted.*

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